

O-3989

What is claimed is:

- 5 1. A fire-protection and safety glazing laminate having a haze value less than
4 percent comprising
 (A) a plurality of high modulus layers laminated with
 (B) at least one fluoropolymer resin layer
 wherein (B) resides between (A),
10 wherein the high modulus layers comprise glass, polycarbonate or polyurethane,
 wherein the fluoropolymer resin layer has a matte finish surface, an embossed
 finish surface or a combination thereof,
 wherein the fluoropolymer resin layer is exposed to a corona treatment in an
 organic gas atmosphere, and
15 wherein the high modulus layers are adhered to the fluoropolymer resin layer
 through a pressure and heat lamination.
2. The laminate of claim 1 wherein the high modulus layer is glass.
- 20 3. The laminate of claim 1 wherein the fluoropolymer resin layer comprises
 at least one of FEP, PFA, ETFE, ECTFE, PCTFE, PVdF, THV, blends and alloys or
 blends or alloys.
4. The laminate of claim 1 wherein the fluoropolymer resin layer comprises
25 at least two of FEP, PFA, ETFE, ECTFE, PCTFE, PVdF, THV, blends and alloys or
 blends or alloys.
5. The laminate of claim 3 wherein the fluoropolymer resin layer comprises
 THV.
- 30 6. The laminate of claim 1 wherein both sides of the fluoropolymer resin
 layer comprise a combination of a matte finish surface and an embossed finish surface.

7. The laminate of claim 1 wherein the organic gas atmosphere comprises acetone or an alcohol of four carbon atoms or less in nitrogen.

8. The laminate of claim 1 wherein the fluoropolymer resin layer is from 5 to 150 mils thick.

9. The laminate of claim 1 wherein present are two layers of (A) and one layer of (B) and wherein the (B) layer resides between the (A) layer. 10. The laminate of claim 1 wherein present are three layers of (A) and two layers of (B) and wherein each (B) layer resides between two (A) layers. 11. The laminate of claim 1 wherein present are two layers of (A) and two layers of (B) and wherein both (B) layers are adjacent to each other and reside between the (A) layers.